

**DOE/NSF PARTNERSHIP IN BASIC PLASMA SCIENCE AND ENGINEERING:
FY 2006 PROPOSALS FUNDED BY DOE**

UC Berkeley “Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping”– Joel Fajans

Auburn University “Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping”– Francis Robicheaux

Univ. North Texas “Collaborative Research: Experimental and Theoretical Study of the Plasma Physics of Antihydrogen Generation and Trapping”– Carlos Ordonez

Boston University “Collaborative Research: Meteor Plasmas - Dynamics and Radiowave Scattering” – Meers Openheim

Center for Remote Sensing “Collaborative Research: Meteor Plasmas - Dynamics and Radiowave Scattering”– Lars Dyrud

UC Davis “Fast-Ion Studies in the Large Plasma Device”– Bill Heidbrink

UCLA “Continuation of Full-Scale Three-Dimensional Numerical Experiment of High-Intensity Particle and Laser Beam Matter Interactions” -Warren Mori

UCLA “Laser Driven Shock Waves in a Large Magnetized Plasma”– Christoph Niemann

UCLA “Whistler Spheromaks and EMHD Turbulence”– Ray Stenzel

UC San Diego “Dust-Plasma Interactions”– Marlene Rosenberg

Univ. Colorado “Ionospheric Dusty Plasma in the Laboratory “– Scott Robertson

Columbia Univ. “Nonlinear Dynamics of Strong Interchange Instabilities in a Rotating Dipole-Confined Plasma” – Mike Mauel

Univ. Houston “Time and Space-Resolved Diagnostics and Modeling of Power Modulated Atmospheric Pressure”– Vince Donnelly

Univ. Iowa “Collaborative Research: Laboratory Investigation of Alfvénic Field Line Resonances and Electron Acceleration”– Craig Kletzing

Univ. New Hampshire “Collaborative Research: Laboratory investigation of Alfvénic field line resonances and electron acceleration”– Li-Jen Chen

Univ. Iowa ” Correlations and Fluctuations in Weakly-Collisional Plasma”– Fred Skiff

Univ. Iowa “Strongly-Coupled Dusty Plasmas”– John Goree

Univ. Iowa “Role of Electron Kinetic Effect on the Macroscopic Structure and Evolution of Collisionless Reconnection in Simulations with Open Boundary Conditions”– Bill Daughton

MIT “ Interaction of a Flowing Plasma with a Collecting Sphere”– Ian Hutchinson

Univ. New Mexico “Investigation of Intermittent Turbulence and Turbulent Structures in the Presence of Controlled Shear Flows”– Mark Gilmore

Univ. New Mexico “Coupling of Photosphere to the Solar Corona”– Christopher Watts

Occidental College “Resonance overlap, axial trapping, and magnetic field scaling in asymmetry-induced transport”– Dennis Eggleston

Univ. Wisconsin “ Collaborative Research: Understanding Sheaths and Pre-Sheaths in Plasmas”– Noah Hershkowitz

Univ. San Diego “Collaborative Research: Understanding Sheaths and Pre-sheaths in Plasmas”– Greg Severn

Univ. Southern CA “ Collaborative Research: Simulation of Beam-Electron Cloud Interaction in Circular Accelerators using Plasmas Models”– Thomas Katsouleas

UCLA “Collaborative Research: Simulation of Beam Electron Cloud Interactions in Circular Accelerators Using Plasma Models”– Viktor Decyk

Stanford Univ. “High Density Magnetized Microdischarge Plasmas” – Mark Cappelli

College of Wm. & Mary “ New Methods for the Analysis of Waves in Plasmas”– Gene Tracy